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## Model #: OMNISMART1050

### Omni Smart UPS System- Line Interactive UPS Corrects Severe Brownouts and Overvoltages



#### Highlights

- 1050VA / 1.05kVA line interactive tower UPS
- Maintains 120V nominal output over an input range of 75 to 147V
- Workstation optimized features include USB monitoring port
- Input: NEMA 5-15P (120V 15A) / Output: 6 NEMA 5-15R (120V)
- 2 year product warranty / \$200,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)

#### Description

Tripp Lite's OMNI SMART 1050 line interactive UPS system offers voltage regulation, surge suppression and long lasting battery support for personal computers, internetworking equipment and other sensitive electronics. Supports a single entry level PC system for up to 60 minutes during power failures to facilitate a safe shutdown without data loss. Automatic Voltage Regulation (AVR) circuits regulate brownouts as low as 75 volts and overvoltages to 147 volts back to normal 120V levels, all without using battery power. Includes 6 battery supported outlets and 6 foot AC line cord. USB port enables optional safe unattended system shutdown in the case of extended power failure as well as continuous UPS and site power condition monitoring, USB cable included. PowerAlert software available via free download from [www.tripplite.com](http://www.tripplite.com). Built-in audible alarm and 5 front panel LEDs indicate status of line power, battery power, battery low/replace, voltage regulation and overload. 1050VA / 705 watt power handling ability supports multiple entry-level PCs, network workstations, point-of-sale terminals, small to medium business phone systems, audio/video workstations and heavily configured home theater systems. Offers 7 minutes battery runtime with a full load of 1050VA and 23 minutes with a half load of 525VA. Supports hot swap battery replacement via built-in access panel. 2 year warranty. \$200,000 connected equipment insurance (USA & Canada only).

#### Applications

- Network workstations, small-business servers, CAD/CAM/CAE workstations, small & mid-size business telephone/voicemail systems, hubs, routers, personal computers and more.

#### Package Includes

- OMNI SMART 1050 UPS System
- USB cable
- Warranty information
- Instruction manual

#### Features

- OMNI SMART 1050 line interactive UPS system offers voltage regulation and battery support, plus complete AC surge suppression
- Prevents equipment damage, data loss and downtime due to power problems
- Supports a single entry level PC system for up to 60 minutes during power failures to enable a safe system shutdown
- Supports a max load of 1050VA for 7 minutes

- Supports a half load of 525VA for 23 minutes
- Automatic Voltage Regulation (AVR) circuits correct brownouts as low as 75 and overvoltages as high as 147 volts to normal 120 volt levels without using battery power
- Upright tower configuration uses only 51 square inches of floor or desktop space
- Includes 6 battery supported outlets, 6 foot AC line cord (all NEMA 5-15)
- USB port enables safe unattended shutdown without data loss during extended power failures, includes USB cable
- USB port supports messaging of UPS and line power status, including on-battery, low-battery, power-restored, AC line voltage, DC battery voltage and battery capacity
- PowerAlert UPS monitoring software available via free download from [www.tripplite.com](http://www.tripplite.com)
- Supports Tripp Lite's WatchDog software application to restore unresponsive programs by automatically restarting them and rebooting completely locked computers by automatically switching UPS power off and back on again
- Built-in audible alarm and 5 front panel LEDs indicate status of line power, battery power, battery low/replace, voltage regulation and overload status
- 1050VA / 705 watt power handling ability supports multiple entry-level PCs, network workstations, point-of-sale terminals, small to medium business phone systems, audio/video equipment stations and heavily configured home theater systems
- Supports hot-swap battery replacement via built-in battery access panel
- Compatible with 120V / 60Hz applications for USA, Canada, Mexico and more
- 2 year manufacturers warranty
- \$200,000 connected equipment insurance (USA & Canada only)

## Specifications

SYSTEM OVERVIEW	
Voltage compatibility	120V AC
Frequency compatibility	60Hz
OUTPUT	
Output VA	1050
Output watts	705
Output nominal voltage	120V AC
Output voltage regulation	LINE MODE: Sine wave line voltage 120V (-18% / +8%), BATTERY MODE: PWM sine wave output 115V +/-5%
Output frequency regulation	LINE MODE: Passes line frequency of 60Hz +/-10%, BATTERY MODE: Inverter output regulated to 60Hz +/-0.5Hz
Outlet quantity / type	6 NEMA 5-15R
INPUT	
Maximum input amps	6.7A / 760 watts
Input connection type	NEMA 5-15P right-angle
Input cord length	6 ft., 16 gauge
Recommended Electrical Service	15A 120V
BATTERY	
Full load runtime	7 minutes (1050VA)
Half load runtime	23 minutes (525VA)
DC system voltage	18 VDC
Typical battery lifespan	3-6 years, depending on usage
Battery recharge rate	2-4 hours to 90%
Replacement Battery Cartridge	RBC52 (quantity 3)
VOLTAGE REGULATION	

<b>Voltage regulation description</b>	Automatic Voltage Regulation (AVR) circuits maintain clean, regulated computer-grade 120V nominal output, without using battery power, during brownouts to 75V and overvoltages to 147V
<b>Overvoltage correction</b>	Input voltages between 128 and 147V AC are reduced by 12%
<b>Direct pass through</b>	Input voltages between 108 and 127V AC are passed on to connected equipment unchanged
<b>Brownout correction</b>	Input voltages between 93 and 107V AC are boosted by 14%
<b>Severe brownout correction</b>	Input voltages between 75 and 92V AC are boosted by 30%
<b>LEDS ALARMS &amp; SWITCHES</b>	
<b>Front panel LEDs</b>	5 front panel LEDs indicate line power status, battery power status, battery low/replace status, voltage regulation operation and overload status
<b>Alarms</b>	Audible alarm with 15 second delay sounds to indicate loss of utility power. Alarm can be silenced by pressing front panel alarm cancel button. Once silenced, alarm will re-sound when approximately 2 minutes runtime remain.
<b>Switches</b>	Includes 2 front panel switches - one main on/off power switch and one dual function "alarm cancel" / "self test" button
<b>SURGE / NOISE SUPPRESSION</b>	
<b>AC surge suppression</b>	480 joules
<b>AC suppression response time</b>	Instantaneous
<b>EMI / RFI AC noise suppression</b>	Yes
<b>PHYSICAL</b>	
<b>Shipping weight (lbs)</b>	30.5
<b>Shipping weight (kg)</b>	13.8
<b>Unit weight (lbs)</b>	28.6
<b>Unit weight (kg)</b>	13
<b>Unit Dimensions (HWD/in)</b>	11.75 x 7.25 x 7.25
<b>Unit Dimensions (HWD/cm)</b>	29.8 x 18.4 x 18.4
<b>Material of construction</b>	PVC
<b>Form factors supported</b>	Tower
<b>Cooling method</b>	Convection
<b>Battery Access</b>	Battery access door allows user replacement of UPS batteries. Hot-swappable battery replacement supported.
<b>ENVIRONMENTAL</b>	
<b>Relative Humidity</b>	0 to 95%, non-condensing
<b>Storage Temperature</b>	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
<b>Operating Temperature</b>	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
<b>COMMUNICATIONS</b>	
<b>Network monitoring port</b>	USB
<b>Software and cabling included</b>	USB cabling included, PowerAlert software available for free download at <a href="http://www.tripplite.com">www.tripplite.com</a>
<b>WatchDog compatibility</b>	Compatible with Tripp Lite's Watchdog system service to restore operation to locked equipment through soft reboot of application / OS or hard power off/on reboot of connected equipment - ideal for unattended kiosk applications
<b>LINE / BATTERY TRANSFER</b>	

<b>Transfer time from line power to battery mode</b>	2-4 milliseconds
<b>Low voltage transfer to battery power</b>	Switches to battery power as line voltage decreases to 75 volts or less. Resets back to line power mode as line voltage increases to 79V or higher.
<b>High voltage transfer to battery power</b>	Switches to battery power as line voltage increases to 147 volts or higher. Resets back to line power mode as line voltage decreases to 143V or less.
<b>SPECIAL FEATURES</b>	
<b>Cold Start</b>	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
<b>Appearance</b>	Attractive gray tower UPS
<b>CERTIFICATIONS</b>	
<b>Certifications</b>	Tested to UL1778 (USA), CSA C22.2 No. 107.3 (Canada), Class B (emissions), NOM (Mexico)
<b>WARRANTY</b>	
<b>Product Warranty Period</b>	2 year product warranty
<b>Connected Equipment Coverage</b>	\$200,000 connected equipment insurance (USA and Canada only)
<b>Optional Coverage</b>	3-5 year warranties, plus next day and on-site warranty coverage available. Contact Tripp Lite for additional information.

More information, including related products, owner's manuals, and additional technical specifications, can be found online at [www.tripplite.com/en/products/model.cfm?txtModelID=3948](http://www.tripplite.com/en/products/model.cfm?txtModelID=3948).